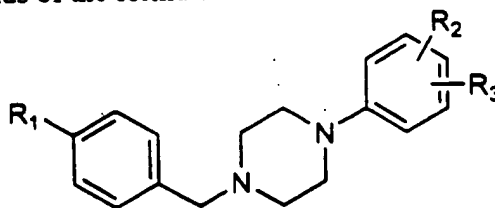


What is claimed is:

1. A compounds of the formula:



or the pharmaceutically acceptable acid salts thereof wherein:

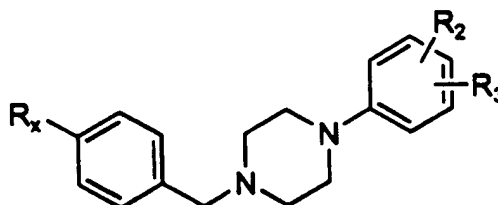
- 5 R₁ is halogen or C₁-C₄ alkyl;

R₂ and R₃ are the same or different and represent hydrogen, halogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, alkylthio, hydroxy, amino, monoalkylamino or dialkylamino, with the proviso that R₂ and R₃ may not be 2-isopropoxyl and hydrogen respectively when R₁ is bromo.

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2. A compound according to Claim 1, wherein R₁ is methyl.

3. A compound of the formula:



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or the pharmaceutically acceptable salts thereof wherein

R_x is fluorine, chlorine, bromine, or iodine; and

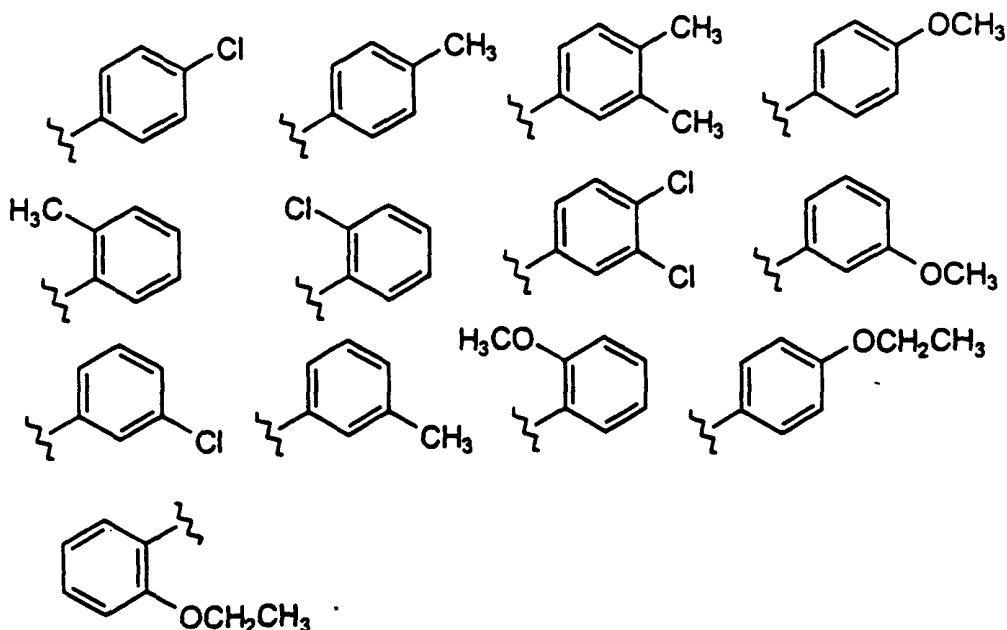
R₂ and R₃ are the same or different and represent hydrogen, halogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, alkylthio, hydroxy, amino, monoalkylamino or dialkylamino.

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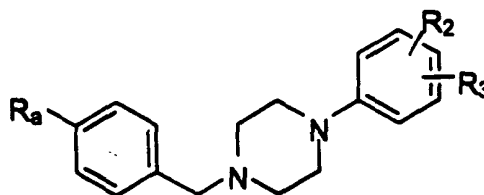
4. A compound according to Claim 3, wherein R₂ and R₃ may not be 2-isopropoxyl and hydrogen, respectively, when R₁ is bromo.

5. A compound according to claim 3, wherein R_1 is chloride; R_2 and R_3 may not be 2-isopropoxyl and hydrogen, respectively, when R_1 is bromo; R_2 is chloride, methyl or methoxy; and R_3 is hydrogen or methyl.

5 6. A compound according to claim 5, wherein the phenyl group substituted with R_2 and R_3 is selected from the group consisting of:



7. A compound of the formula:



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or the pharmaceutically acceptable salts thereof wherein

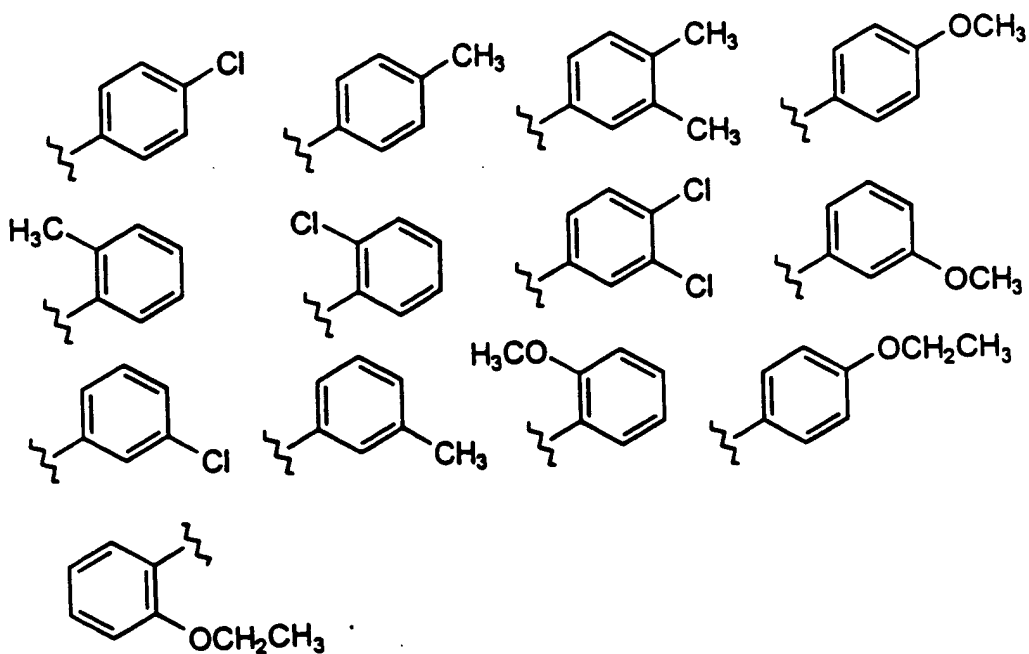
R_a is C_1 - C_4 alkyl; and

R_2 and R_3 are the same or different and represent hydrogen, halogen, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, alkylthio, hydroxy, amino, monoalkylamino or dialkylamino.

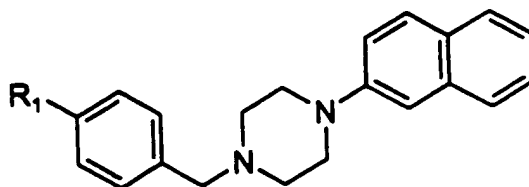
8. A compound according to Claim 7, wherein R_1 is methyl.

9. A compound of according to Claim 7, wherein R_2 is chloride, fluoride, methyl
5 or methoxy; and R_3 is hydrogen or methyl.

10. A compound according to claim 8, wherein the phenyl group substituted with
 R_2 and R_3 is selected from the group consisting of:



11. A compound of the formula:



or the pharmaceutically acceptable salts thereof wherein:

R_1 is C_1 - C_4 alkyl or hal gen.

12. A compound according to Claim 11, wherein R₁ is chloro.
13. A compound according to Claim 1, which is 1-(3-chlorophenyl)-4-(4-chlorobenzyl)piperazine.
14. A compound according to Claim 1, which is 1-(2-chlorophenyl)-4-(4-chlorobenzyl)piperazine.
15. A compound according to Claim 1, which is 1-(3, 4-dichlorophenyl)-4-(4-chlorobenzyl)piperazine.
16. A compound according to Claim 1, which is 1-(4-methylphenyl)-4-(4-chlorobenzyl)piperazine.
17. A compound according to Claim 1, which is 1-(3-methylphenyl)-4-(4-chlorobenzyl)piperazine.
18. A compound according to Claim 1, which is 1-(2-methylphenyl)-4-(4-chlorobenzyl)piperazine.
19. A compound according to Claim 1, which is 1-(3,4-dimethylphenyl)-4-(4-chlorobenzyl)piperazine dihydrobromide.
20. A compound according to Claim 1, which is 1-(4-methoxyphenyl)-4-(4-chlorobenzyl)piperazine dihydrobromide.

21. A compound according to Claim 1, which is 1-(3-methoxyphenyl)-4-(4-chlorobenzyl)piperazine.

5 22. A compound according to Claim 1, which is 1-(2-methoxyphenyl)-4-(4-chlorobenzyl)piperazine.

23. A compound according to Claim 1, which is 1-(4-ethoxyphenyl)-4-(4-chlorobenzyl)piperazine.

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24. A compound according to Claim 1, which is 1-(2-ethoxyphenyl)-4-(4-chlorobenzyl)piperazine.

25. A compound according to Claim 1, which is 1-phenyl-4-(4-chlorobenzyl)piperazine.

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26. A compound according to Claim 1, which is 1-(4-chlorophenyl)-4-(4-fluorobenzyl)piperazine.

20 27. A compound according to Claim 1, which is 1-(4-chlorophenyl)-4-(4-methylbenzyl)piperazine.

28. A compound according to Claim 1, which is 1-(3-chlorophenyl)-4-(4-methylbenzyl)piperazine.

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29. A compound according to Claim 1, which is 1-(3, 4-dichlorophenyl)-4-(4-methylbenzyl)piperazine.

30. A compound according to Claim 1, which is 1-(4-methylphenyl)-4-(4-methylbenzyl)piperazine.

31. A compound according to Claim 1, which is 1-(2-methylphenyl)-4-(4-methylbenzyl)piperazine.

32. A compound according to Claim 1, which is 1-(4-methoxyphenyl)-4-(4-methylbenzyl)piperazine.

33. A compound according to Claim 1, which is 1-(2-methoxyphenyl)-4-(4-methylbenzyl)piperazine.

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34. A method for treating or preventing neuropsychological disorders which comprises administering to a patient in need of such treatment a compound selected from the group consisting of

- (a) 1-(3-chlorophenyl)-4-(4-chlorobenzyl)piperazine;
- (b) 1-(2-chlorophenyl)-4-(4-chlorobenzyl)piperazine;
- (c) 1-(3, 4-dichlorophenyl)-4-(4-chlorobenzyl)piperazine;
- (d) 1-(4-methylphenyl)-4-(4-chlorobenzyl)piperazine;
- (e) 1-(3-methylphenyl)-4-(4-chlorobenzyl)piperazine;
- (f) 1-(2-methylphenyl)-4-(4-chlorobenzyl)piperazine;
- (g) 1-(3,4-dimethylphenyl)-4-(4-chlorobenzyl)piperazine;

- (h) 1-(4-methoxyphenyl)-4-(4-chlorobenzyl)piperazine;
- (i) 1-(3-methoxyphenyl)-4-(4-chlorobenzyl)piperazine;
- (j) 1-(2-methoxyphenyl)-4-(4-chlorobenzyl)piperazine;
- (k) 1-(4-ethoxyphenyl)-4-(4-chlorobenzyl)piperazine;
- 5 (l) 1-(2-ethoxyphenyl)-4-(4-chlorobenzyl)piperazine;
- (m) 1-phenyl-4-(4-chlorobenzyl)piperazine;
- (n) 1-(4-chlorophenyl)-4-(4-fluorobenzyl)piperazine;
- (o) 1-(4-chlorophenyl)-4-(4-methylbenzyl)piperazine;
- (p) 1-(3-chlorophenyl)-4-(4-methylbenzyl)piperazine;
- 10 (q) 1-(4-chlorophenyl)-4-(4-methylbenzyl)piperazine;
- (r) 1-(3, 4-dichlorophenyl)-4-(4-methylbenzyl)piperazine;
- (s) 1-(4-methylphenyl)-4-(4-methylbenzyl)piperazine;
- (t) 1-(2-methylphenyl)-4-(4-methylbenzyl)piperazine;
- (u) -methoxyphenyl)-4-(4-methylbenzyl)piperazine;
- 15 (v) -methoxyphenyl)-4-(4-methylbenzyl)piperazine;
- (w) 1-(4-chlorophenyl)-4-(4-chlorobenzyl)piperazine dihydrochloride; and
- (x) 1-(2-isopropoxyphenyl)-4-(4-bromobenzyl)piperazine.

35. A compound according to Claim 1, which is 1-Naphthyl-4-(4-
 20 chlorobenzyl)piperazine.